

Description: Stealth blade LTE antenna

Series: Stealth blade

PART NUMBER: W1999



Features:

- Frequency 698-2700MHz
- Size 109mm radiator
- VSWR 2:1
- Gain 3 / 1 / 2 dBi
- Cable 1500mm RG-316
- Connector SMA male
- IP67

Applications:

- LTE Antenna
- Low cost stealth blade solution
- Indoor and Outdoor usage

All dimensions are in mm / inches

Issue: 1933

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Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



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ELECTRICAL SPECIFICATIONS

Antenna Type	Dipole (Measured with 1500mm RG-316 Cable, in free space)
Frequency	698-960/1710-2170/2300-2700MHz
Nominal Impedance	50 Ω
VSWR	2:1 Max
Radiation Pattern	Omni
Peak Gain (698-960)	3 dBi
Peak Gain (1710-2170)	1 dBi
Peak Gain (2300-2700)	2 dBi
Efficiency (698-960)	50%
Efficiency (1710-2170)	40%
Efficiency (2300-2700)	40%
Polarization	Vertical
Power Withstanding	3W

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MECHANICAL SPECIFICATIONS

Overall Length	109mm
Weight	37.2g
Antenna Color / Material	Black
Connector type	SMA -Male
Cable type	RG-316
Cable length	1500mm

ENVIRONMENTAL SPECIFICATIONS

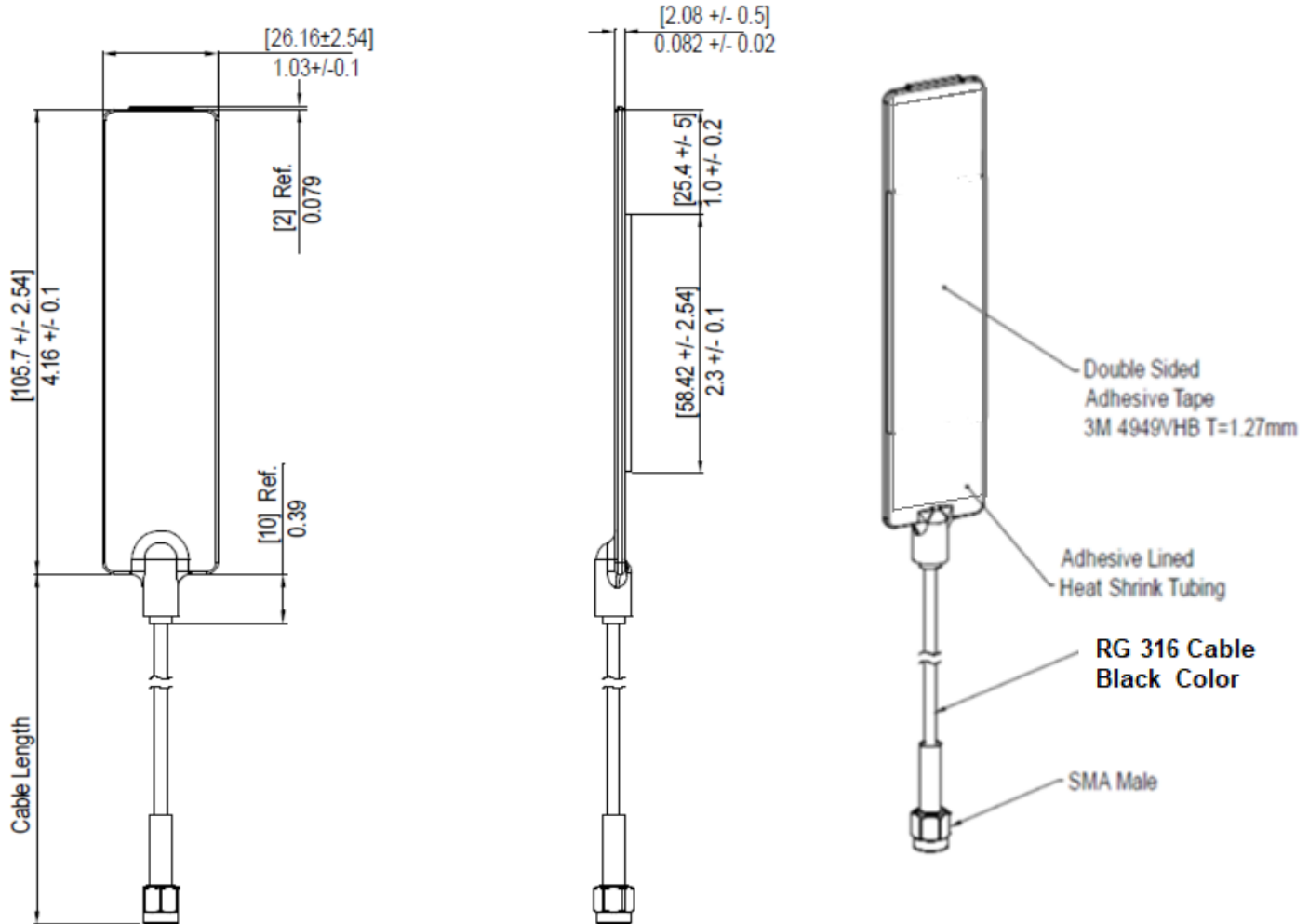
Operating Temperature	-40 ~ +85° C
Storage Temperature	10-40° C
Ingress Protection	IP67
RoHS Compliant	Yes

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MECHANICAL DRAWING



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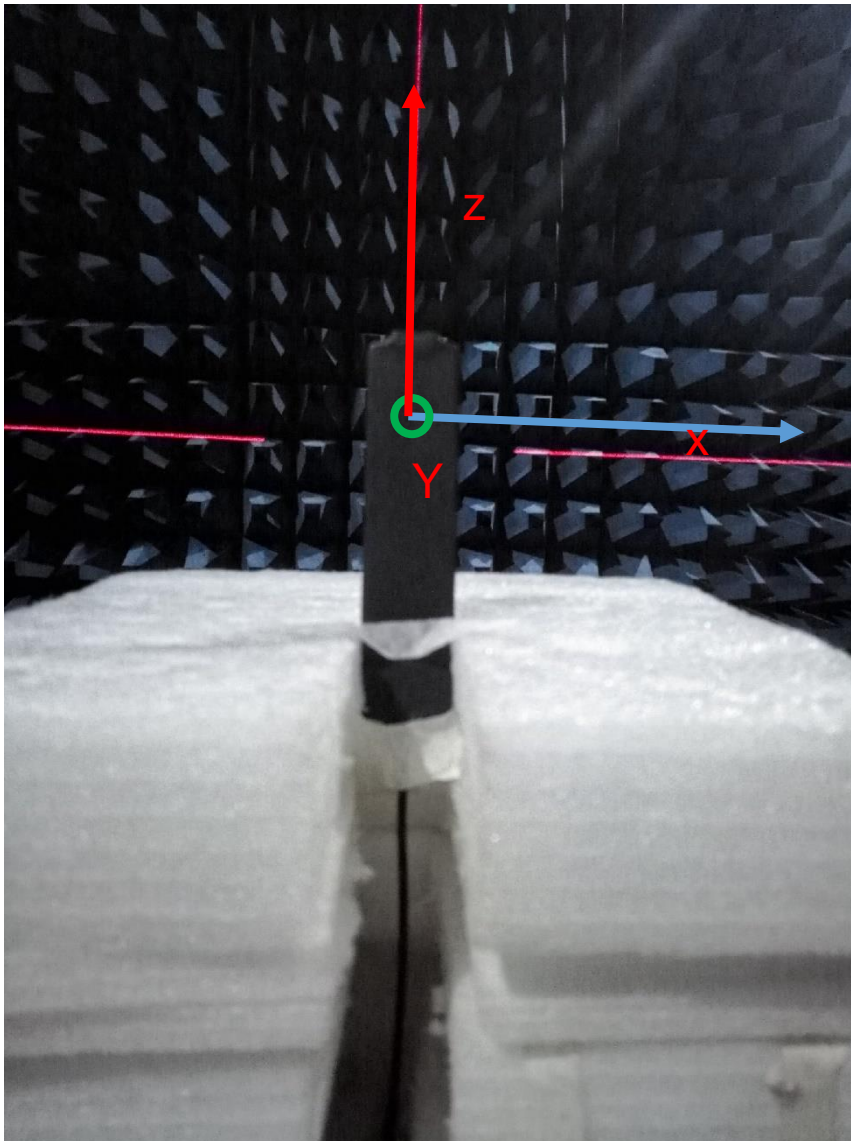
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TEST SETUP



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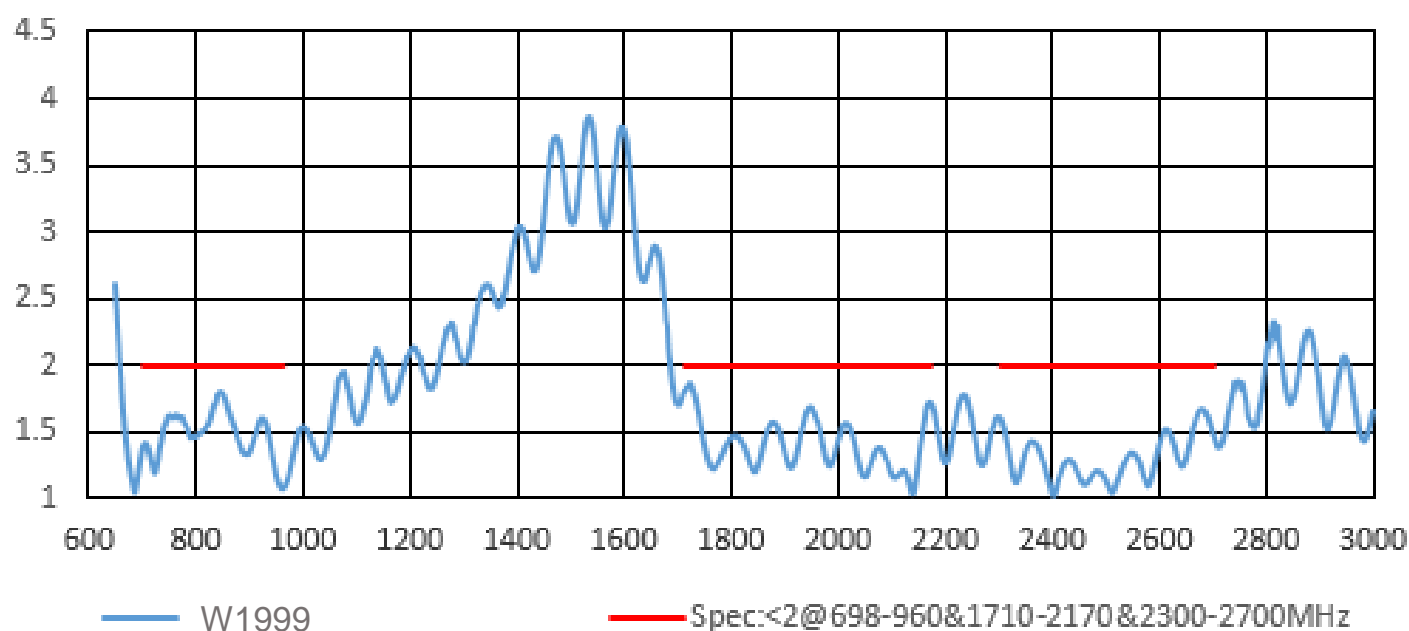
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CHARTS

VSWR

Measured in PSU China chamber 2019.1.10



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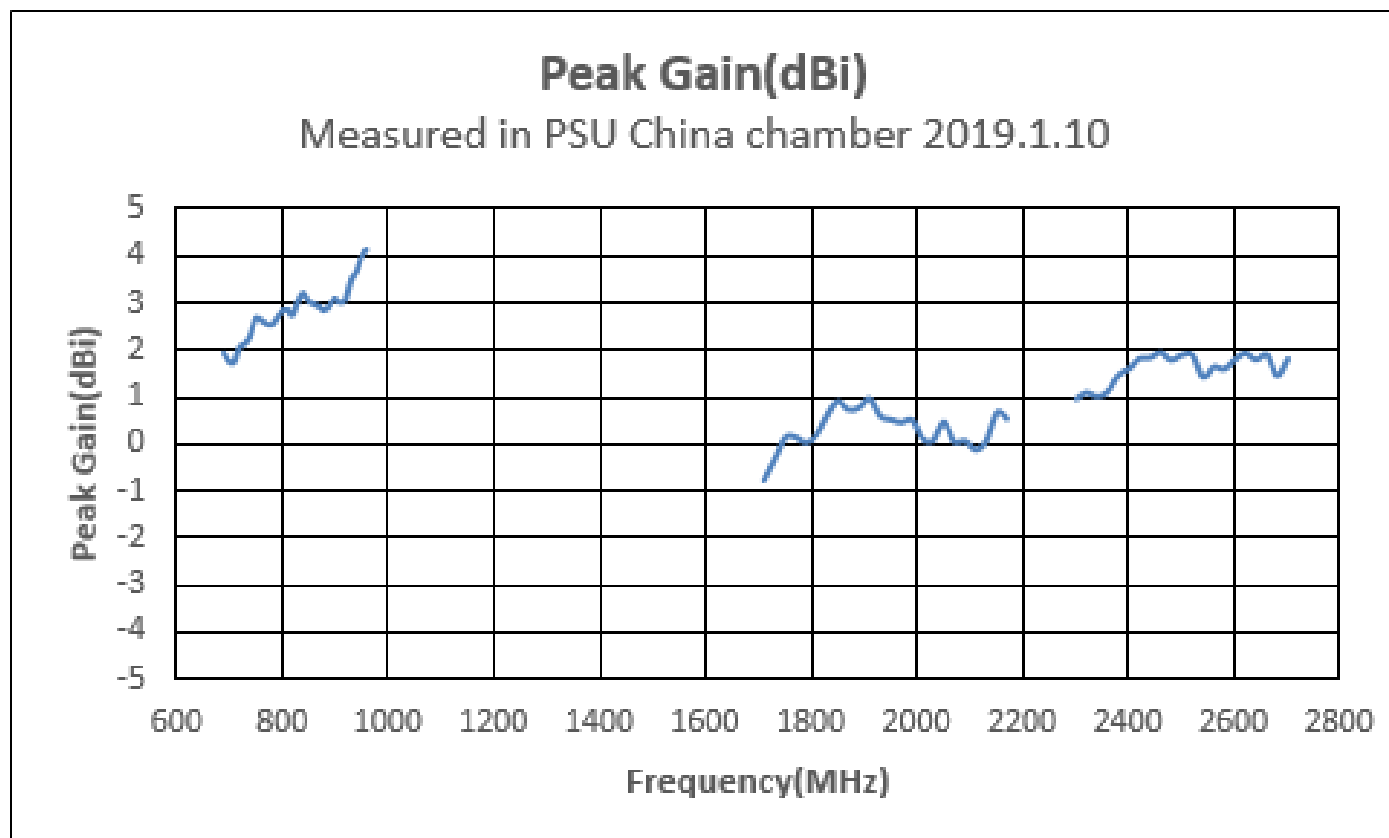
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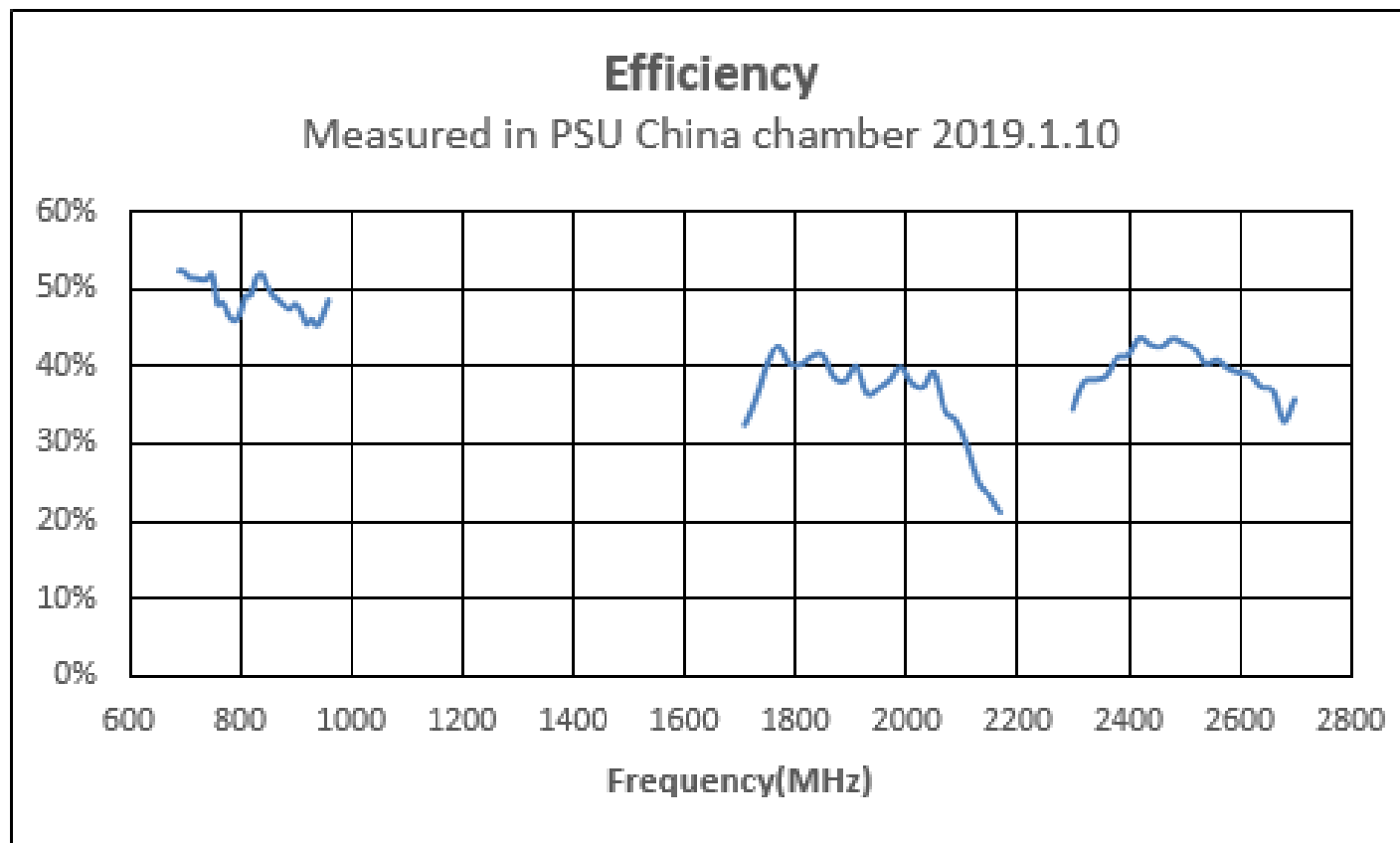
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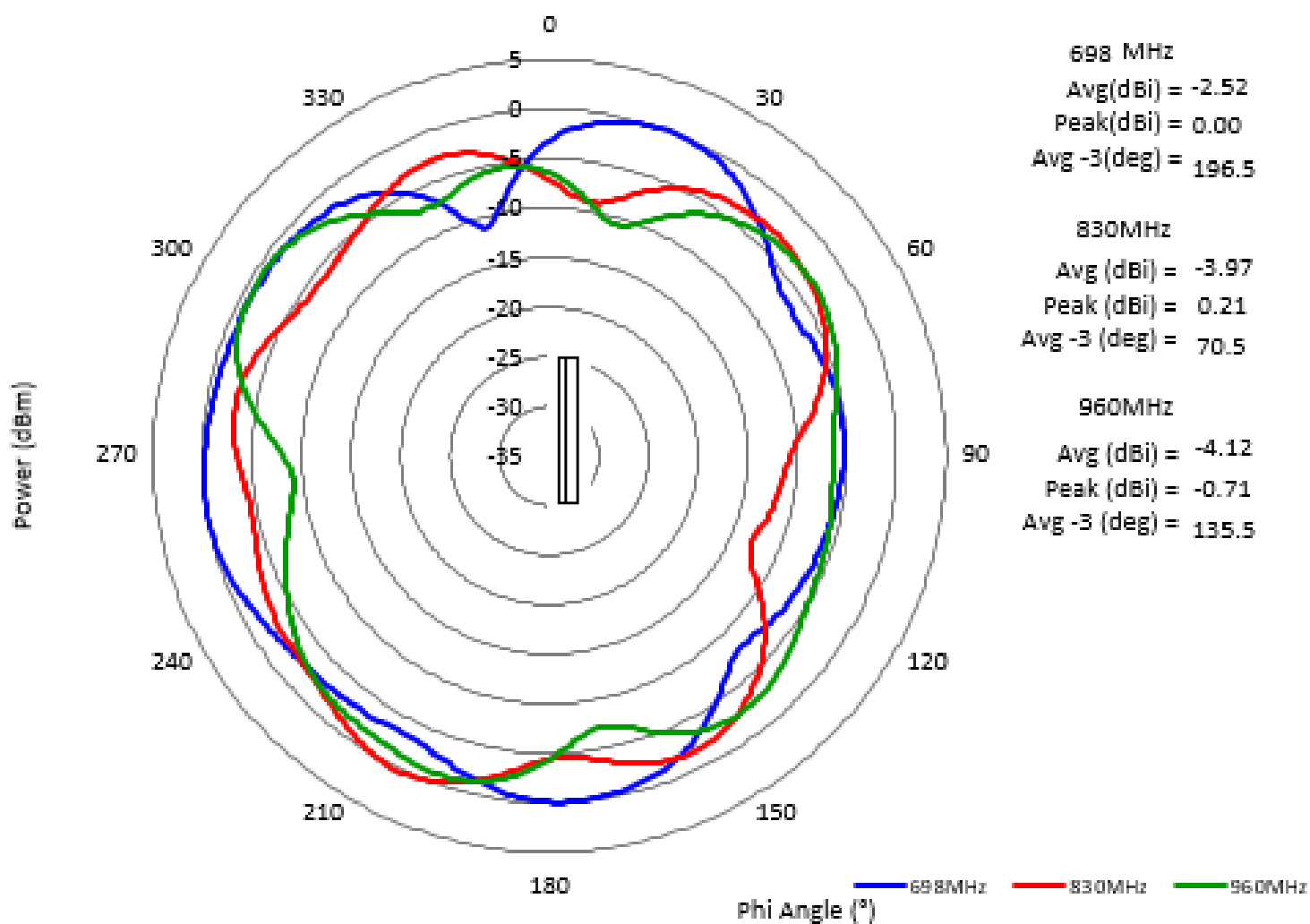
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CHARTS

Radiation pattern @698-960MHz

XY Plane



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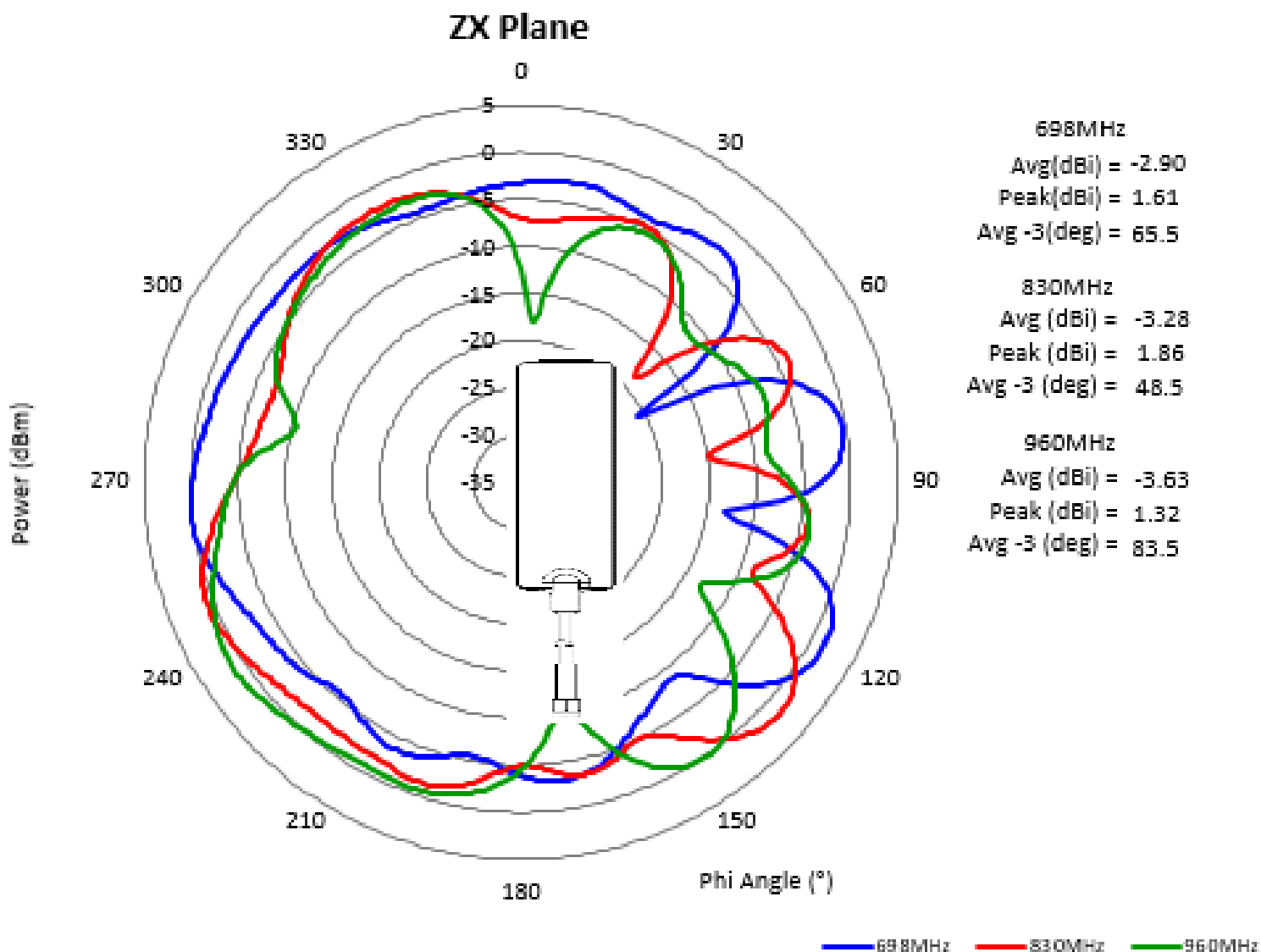
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Radiation pattern @698-960MHz



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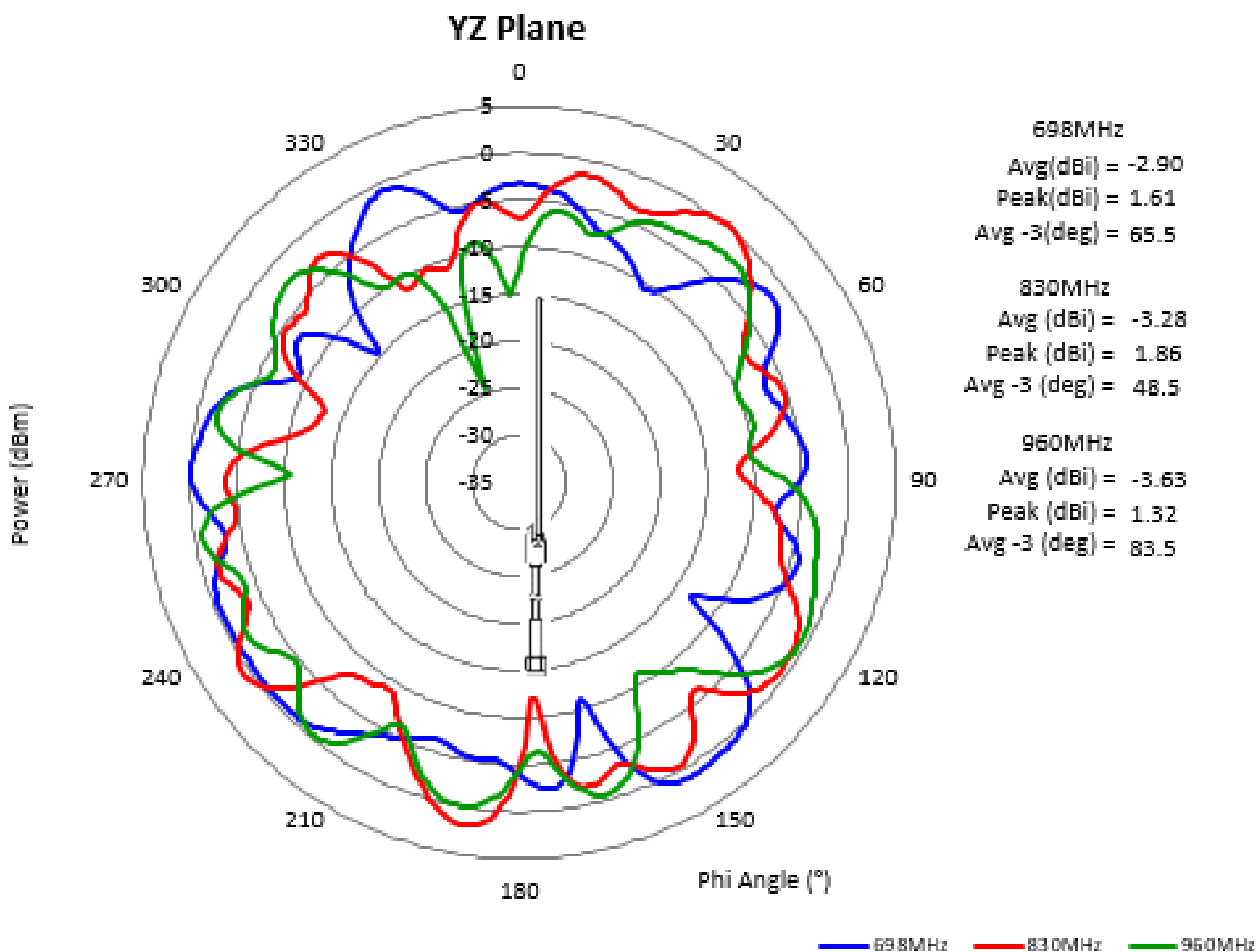
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Radiation pattern @698-960MHz



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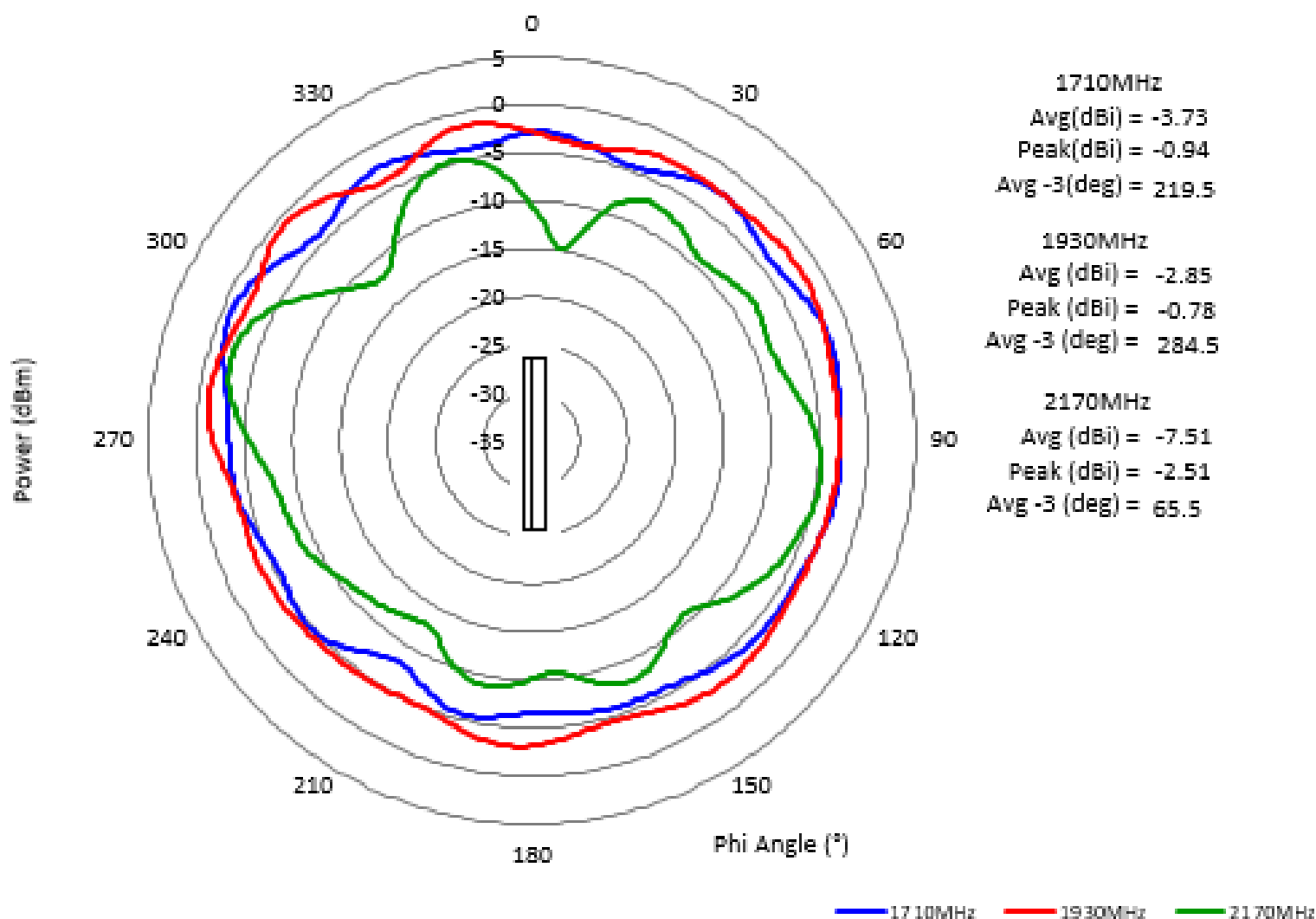
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CHARTS

Radiation pattern @1710-2170MHz

XY Plane



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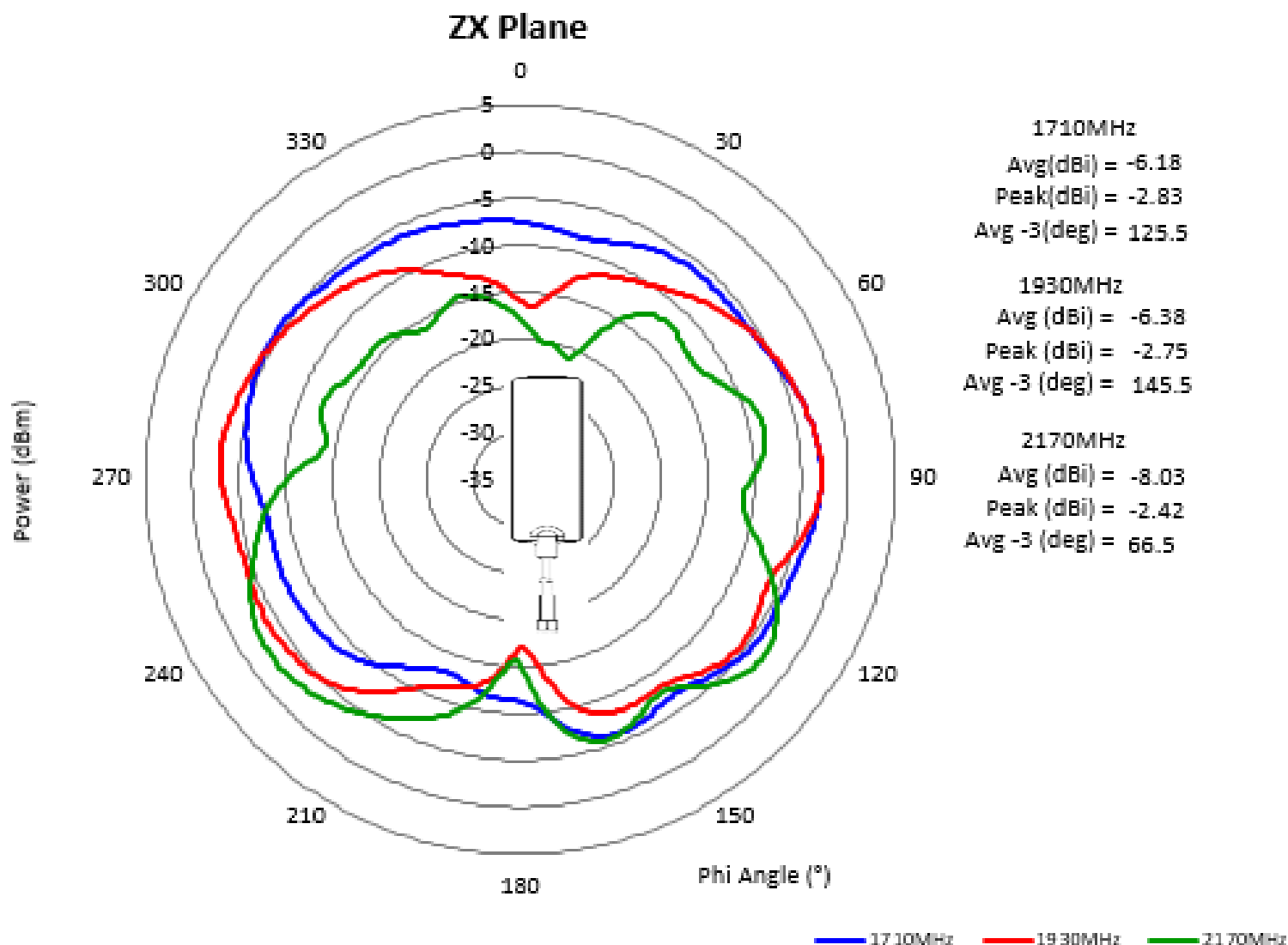
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Radiation pattern @1710-2170MHz



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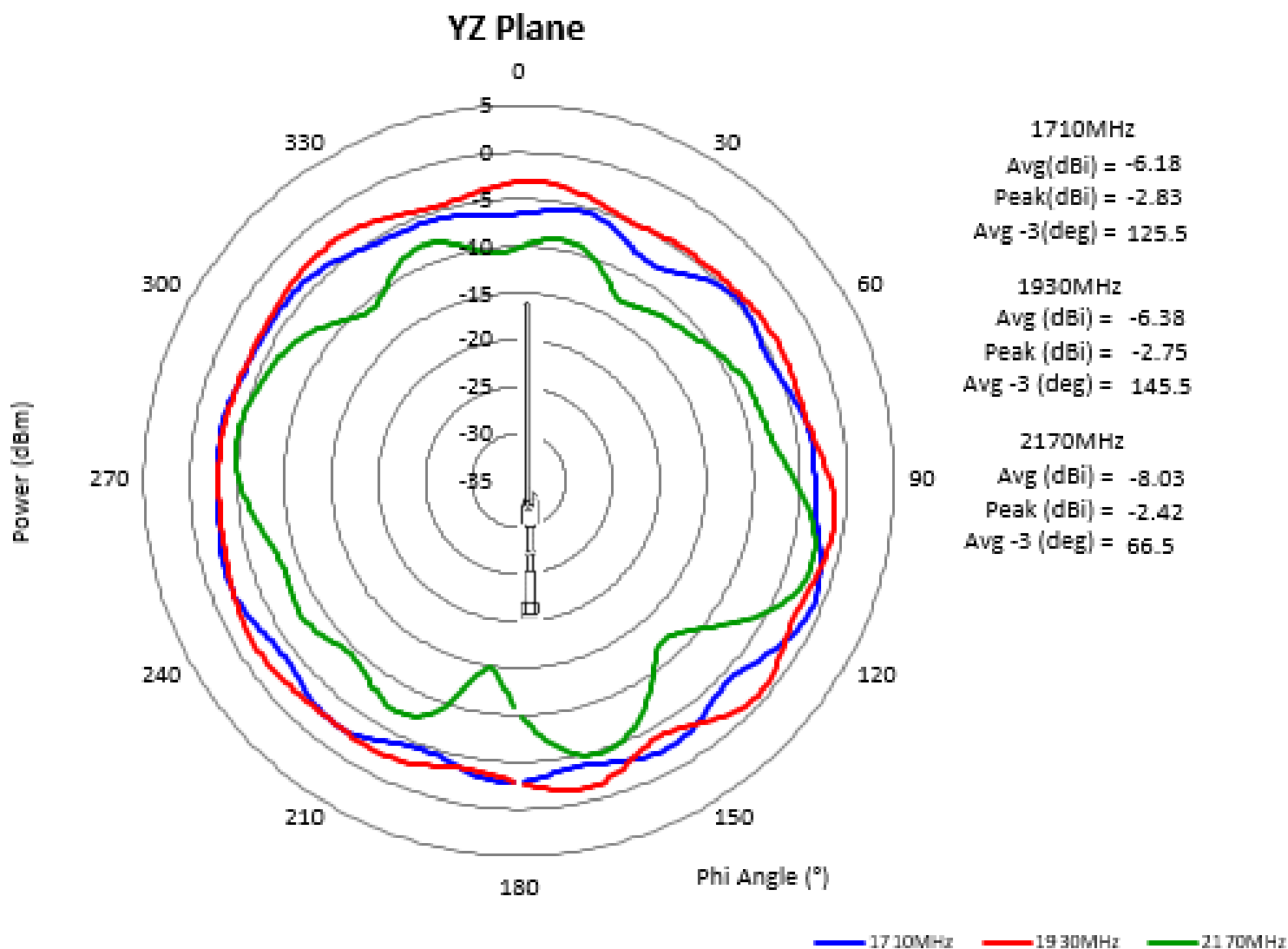
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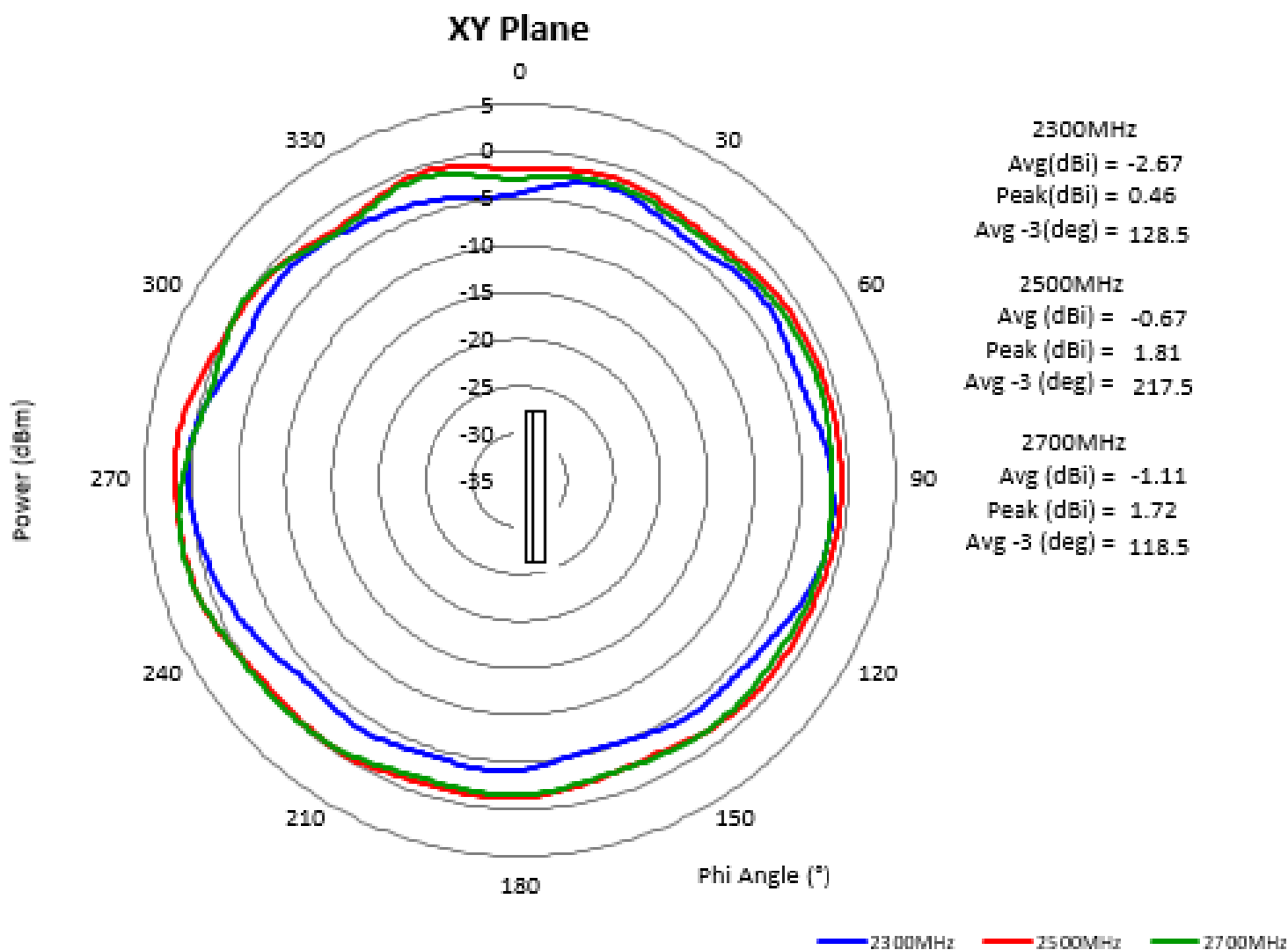
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Radiation pattern@2300-2700MHz



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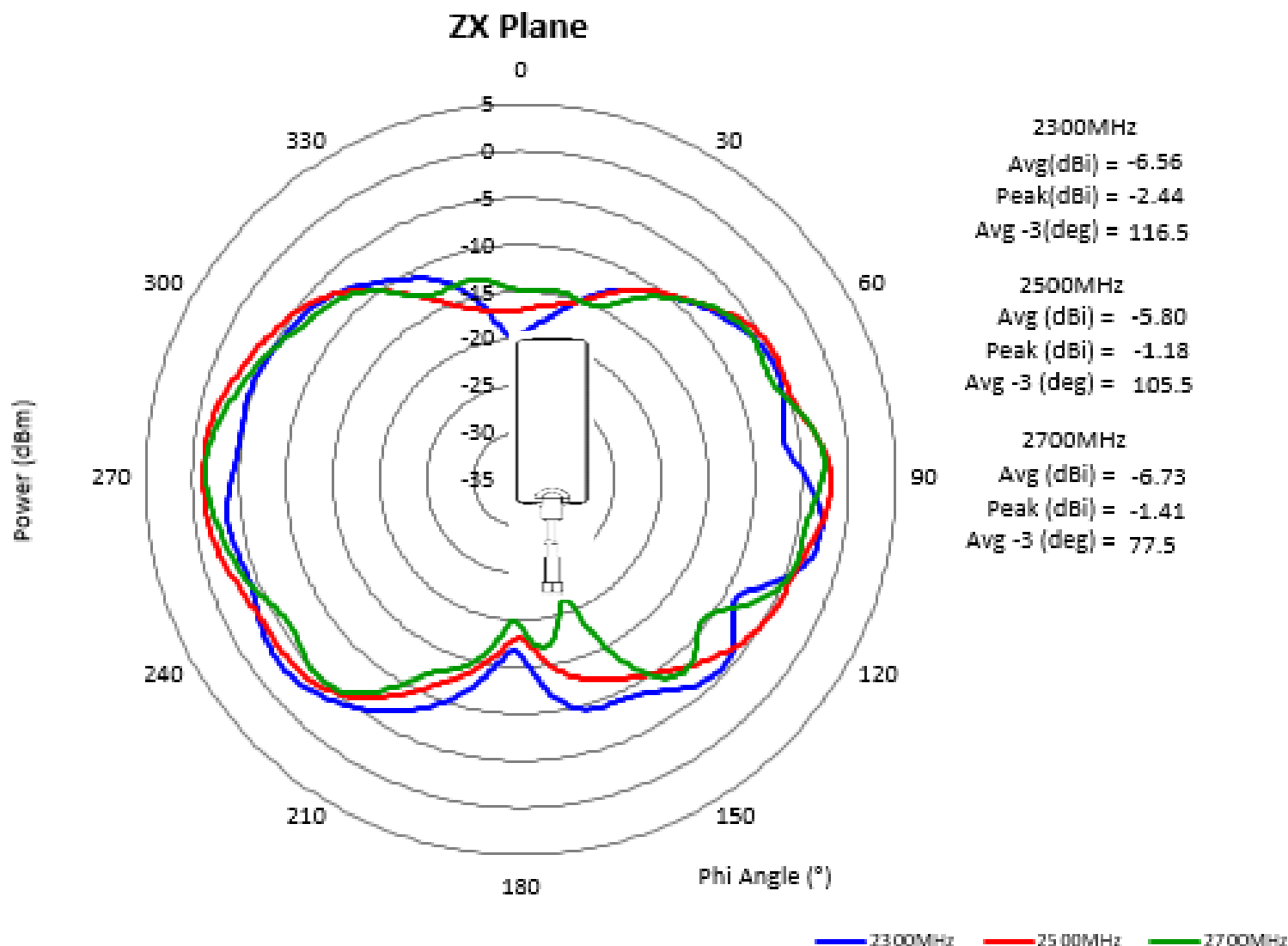
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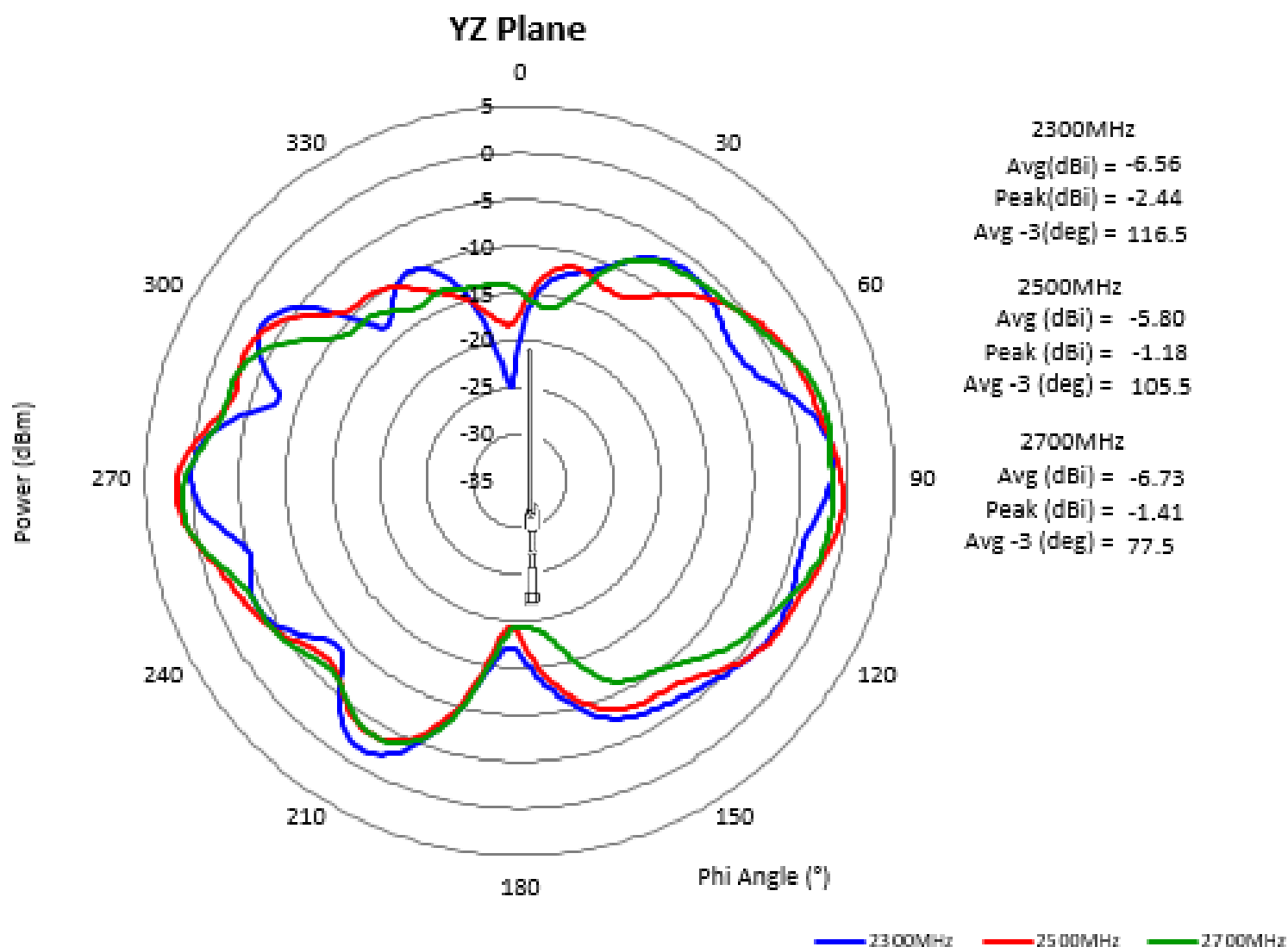
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PACKAGING

1 pcs/ PE Bag
200 pcs/ Box



ASSEMBLY

Assemble with adhesive 3M 4943 (95 X 24 X 1.27 mm)

Mouser Electronics

Authorized Distributor

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Pulse:

W1999